



CDF Operations Report

All Experimenters Meeting

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Store Summary

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June 16, 2003

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| Date | Store | Init L | Dur | Int L | Live L | ϵ |
|---------|--------|--------|------|-------|--------|------------|
| Mo 6/9 | 2667 | 28.4 | 12.3 | 712 | 643 | 90.3% |
| Tu 6/10 | 2671 | 29.3 | 14.5 | 889 | 840 | 94.5% |
| We 6/11 | 2673 | 32.9 | 15.5 | 940 | 714 | 75.9% |
| Th 6/12 | 2676 | 28.7 | 7.0 | 504 | 430 | 85.5% |
| Sa 6/14 | 2684 | 31.4 | 15.0 | 954 | 683 | 71.6% |
| Su 6/15 | 2686 | 34.5 | 15.9 | 974* | 717 | 73.6% |
| Su 6/15 | 2689 | 29.5 | 15.2 | 925 | 761 | 82.3% |
| | Totals | | 95.4 | 5898 | 4788 | 81.2% |

* Luminosity is underestimated



Store Details

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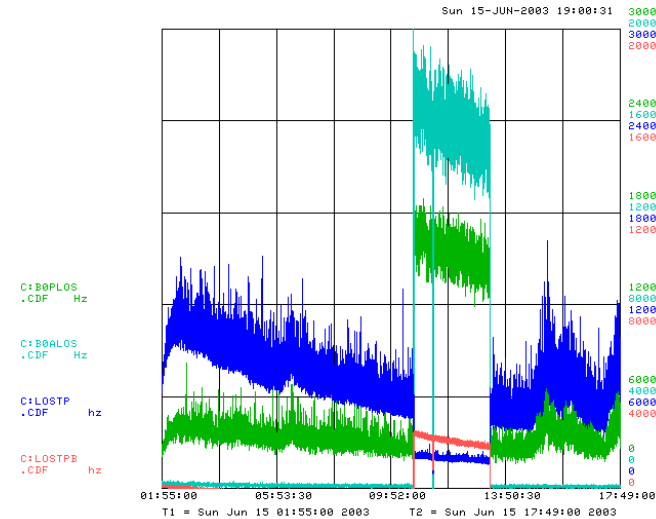
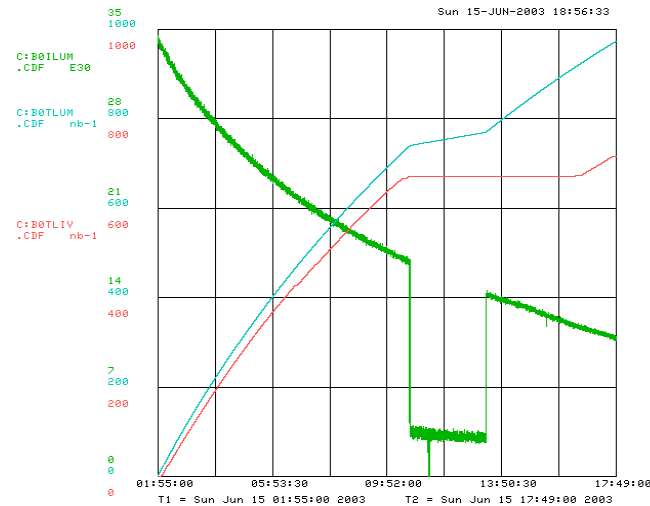
- **Store 2667 & 2671 – ran smoothly**
- **Store 2673 – 75.9%**
 - DAQ/Trigger problems
 - Spikes in abort gap losses (Silicon to standby)
 - Silicon (ISL) HV trip
- **Store 2676 – 85.5%**
 - Online DB crashed during scraping
- **Store 2684 – 71.6%**
 - Time of Flight HV and Plug Calorimeter HV problems
 - DAQ & Trigger test runs
- **Store 2686 – 73.6%**
 - Lost cable TV (TeV sync) signal
- **Store 2689 – 82.3%**
 - L2 isolist and SVT problems



I want my MTV

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- Lost TeV sync signal from cable TV
- Various TeV parameters in ACNET behave strangely
- CDF luminosity is underestimated
- Hardware is available to provide this signal via fiber link
– scheduled to be installed this month (Beams Division)



Access Work

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- **Controlled Access 6/13**
 - Fix central calorimeter HV power supply problem
 - Traced to photo-tube which is now masked
 - Will require further work to fix
 - Silicon investigative work – solved single bit error
- **Controlled Access 6/14**
 - Fixed Plug Calorimeter HV supply – faulty plug
 - Fixed Time of Flight problem
 - Silicon investigative work



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- **Numerous problems prevented stable running**
 - Isolated DAQ problems
 - Tevatron losses
 - HV trips
 - Online DB crash
 - Lost cable TV and TeV sync signals
- **All issues have been addressed and should be in good shape for the next store**
- **Collected 4.9 pb⁻¹ to tape of 5.9 pb⁻¹ delivered for 81% efficiency**